

## PCT REQUEST

Original (for SUBMISSION)

<b>0</b>	<b>For receiving Office use only</b>	
<b>0-1</b>	International Application No.	
<b>0-2</b>	International Filing Date	
<b>0-3</b>	Name of receiving Office and "PCT International Application"	
<b>0-4</b>	<b>Form PCT/RO/101 PCT Request</b>	
<b>0-4-1</b>	Prepared Using	PCT-SAFE [EASY mode] Version 3.50 (Build 0002.162)
<b>0-5</b>	<b>Petition</b> The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
<b>0-6</b>	Receiving Office (specified by the applicant)	Canadian Patent Office (RO/CA)
<b>0-7</b>	Applicant's or agent's file reference	P478 0010
<b>I</b>	<b>Title of Invention</b>	OPTICAL DEVICE AND METHOD FOR SENSING MULTIPHASE FLOW
<b>II</b>	<b>Applicant</b>	
<b>II-1</b>	This person is	applicant only
<b>II-2</b>	Applicant for	all designated States except US
<b>II-4</b>	Name	PHOTON CONTROL INC.
<b>II-5</b>	Address	8540 Baxter Place Burnaby, British Columbia V5A 4T8 Canada
<b>II-6</b>	State of nationality	CA
<b>II-7</b>	State of residence	CA
<b>II-8</b>	Telephone No.	604 422 8408
<b>II-9</b>	Facsimile No.	604 422 8409
<b>III-1</b>	<b>Applicant and/or Inventor</b>	
<b>III-1-1</b>	This person is	applicant and inventor
<b>III-1-2</b>	Applicant for	US only
<b>III-1-4</b>	Name (LAST, First)	MELNYK, Ivan
<b>III-1-5</b>	Address	604 Cottonwood Avenue Coquitlam, British Columbia V3J 2S4 Canada
<b>III-1-6</b>	State of nationality	CA
<b>III-1-7</b>	State of residence	CA

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IV-1	Agent or common representative; or address for correspondence The person identified below is hereby/ has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	agent
IV-1-1	Name (LAST, First)	MCGRUDER, David, J.
IV-1-2	Address	Oyen Wiggs Green & Mutala 480 - 601 West Cordova Street Vancouver, British Columbia V6B 1G1 Canada
IV-1-3	Telephone No.	604 669 3432
IV-1-4	Facsimile No.	604 681 4081
IV-2	Additional agent(s)	additional agent(s) with same address as first named agent
IV-2-1	Name(s)	OYEN, Gerald, O.S.; WIGGS, Blake, R.; GREEN, Bruce, M.; BAILEY, Thomas, W.; MANNING, Gavin, N.; KONDOR, George, F.; SUE, Hilton, W.C.; ASH, Craig, A.; JOHNSON, Richard, A.; RATTRAY, Todd, A.; LAW, Grace, S.
V	DESIGNATIONS	
V-1	The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.	
VI-1	Priority claim of earlier national application	
VI-1-1	Filing date	17 November 2003 (17.11.2003)
VI-1-2	Number	2,449,551
VI-1-3	Country	CA
VI-2	Priority document request The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s):	VI-1
VII-1	International Searching Authority Chosen	Canadian Patent Office (CA) (ISA/CA)

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<b>VIII</b>	<b>Declarations</b>	<b>Number of declarations</b>	
VIII-1	Declaration as to the identity of the inventor	-	
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	-	
VIII-3	Declaration as to the applicant's entitlement, as at the International filing date, to claim the priority of the earlier application	-	
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	-	
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	-	
<b>IX</b>	<b>Check list</b>	<b>number of sheets</b>	<b>electronic file(s) attached</b>
IX-1	Request (including declaration sheets)	4	✓
IX-2	Description	19	-
IX-3	Claims	7	-
IX-4	Abstract	1	✓
IX-5	Drawings	16	-
IX-7	TOTAL	47	
	<b>Accompanying Items</b>	<b>paper document(s) attached</b>	<b>electronic file(s) attached</b>
IX-8	Fee calculation sheet	✓	-
IX-11	Copy of general power of attorney	reference no. PCT/ CA2004/001593	-
IX-17	PCT-SAFE physical media	-	✓
IX-19	Figure of the drawings which should accompany the abstract	1	
IX-20	Language of filing of the International application	English	
X-1	Signature of applicant, agent or common representative		
X-1-1	Name (LAST, First)	MCGRUDER, David, J.	
X-1-2	Name of signatory		
X-1-3	Capacity		
X-2	Signature of applicant, agent or common representative		
X-2-1	Name (LAST, First)	MELNYK, Ivan	
X-2-2	Name of signatory		
X-2-3	Capacity		

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## FOR RECEIVING OFFICE USE ONLY

10-1	Date of actual receipt of the purported International application	
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported International application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/CA :
10-6	Transmittal of search copy delayed until search fee is paid	

## FOR INTERNATIONAL BUREAU USE ONLY

11-1	Date of receipt of the record copy by the International Bureau	
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## PCT REQUEST (ANNEX - FEE CALCULATION SHEET)

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(This sheet is not part of and does not count as a sheet of the international application)

0	For receiving Office use only		
0-1	International Application No.		
0-2	Date stamp of the receiving Office		
0-4	Form PCT/RO/101 (Annex) PCT Fee Calculation Sheet		
0-4-1	Prepared Using	PCT-SAFE [EASY mode] Version 3.50 (Build 0002.162)	
0-9	Applicant's or agent's file reference		P478 0010
2	Applicant		PHOTON CONTROL INC.
12	Calculation of prescribed fees		
		fee amount/multiplier	Total amounts (CAD)
12-1	Transmittal fee T	⇒	300
12-2-1	Search fee S	⇒	1600
12-2-2	International search to be carried out by	CA	
12-3	International filing fee (first 30 sheets) I1	1489	
12-4	Remaining sheets	17	
12-5	Additional amount (X) I6	16	
12-6	Total additional amount I2	272	
12-7	I1 + I2 = I	1761	
12-12	EASY Filing reduction R	-106	
12-13	Total International filing fee (I-R) I	⇒	1655
12-14	Fee for priority document		
	Number of priority documents requested	1	
12-15	Fee per document (X) I66	66	
12-16	Total priority document fee: P	⇒	66
12-17	TOTAL FEES PAYABLE (T+S+I+P)		⇒ 3621
12-19	Mode of payment		other Payment will follow.